

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Francis Phillip Chatfield
Serial No.: n/a
Filed: Contemporaneous Herewith
International Application No.: PCT/GB2004/004725
International Application Filing Date: November 9, 2004
Entitled: Vacuum Pump
Atty. Dkt.: M03B167

Group Art Unit: n/a
Examiner: n/a

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

The Examiner's attention is directed to the documents identified on the attached Forms PTO/SB/08A and PTO/SB/08B "Information Disclosure Statement By Applicant." A copy of each non-US patent document is enclosed.

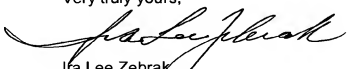
Please consider all the listed documents and list them on the cover sheet of any patents to issue from the subject application.

The Information Disclosure Statement submitted herewith is being filed within three months of the filing date of the application or within three months of the date of entry of the National Phase of an international application or before the mailing of a first Office Action on the merits.

In accordance with 37 CFR 1.97(b), no additional fee is due. As a precaution, the Commissioner is hereby authorized to charge to Deposit Account No. 02-2865 any fee required by this submission.

Very truly yours,

Date: May 4, 2006
The BOC Group, Inc.
Legal Services - Intellectual Property
575 Mountain Avenue
Murray Hill, NJ 07974
(908) 771-6469


Ifa Lee Zebrak
Attorney for Applicant(s)
Reg. No. 31,147

Attachments
Forms PTO/SB/08A & PTO/SB/08B
Cited References

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PTO/SB/08A (07-05)
Approved for use through 07/31/2006. OMB 0651-0031
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STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 12

| | |
|------------------------|---------------------------|
| Application Number | |
| Filing Date | |
| First Named Inventor | FRANCIS PHILLIP CHATFIELD |
| Art Unit | |
| Examiner Name | |
| Attorney Docket Number | M03B167 |

| U. S. PATENT DOCUMENTS | | | | | |
|------------------------|----------|---|-----------------------------|---|---|
| Examiner Initials* | Cite No. | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| /P.S./ | 1 | Number-Kind Code ² (if known) US- 5 863 317 | 01-26-1999 | Smith et al. | |
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| FOREIGN PATENT DOCUMENTS | | | | | |
|--------------------------|----------|--|-----------------------------|---|---|
| Examiner Initials* | Cite No. | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| /P.S./ | 2 | Country Code ³ Number * Kind Code ⁴ (if known) DE 102 07 929 A1 | 09-04-2003 | Leybold Vakuum GmbH | |
| | 3 | EP 0 874 158 A1 | 10-28-1998 | The BOC Group plc | |
| | 4 | JP 5-296171 | 11-09-1993 | Ulvac Japan Ltd | |
| | 5 | JP 62-186073 | 08-14-1987 | Ulvac Corp | |
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|--------------------|-------------------|-----------------|------------|
| Examiner Signature | /Philip Stimpert/ | Date Considered | 03/12/2010 |
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Sheet 2 of 2

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|------------------------|---------------------------|
| Application Number | |
| Filing Date | |
| First Named Inventor | FRANCIS PHILLIP CHATFIELD |
| Art Unit | |
| Examiner Name | |
| Attorney Docket Number | M03B167 |

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|--------------------|-----------------------|---|----------------|
| /P.S./ | 6 | KAZAMAKI TADAO; Patent Abstracts of Japan; abstract of JP 05296171; entitled Shaft Seal Mechanism for Positive Displacement Vacuum Pump without Using Sealing Fluid; publication date November 9, 1993; Ulvac Japan Ltd. | |
| /P.S./ | 7 | KAZAMAKI TADAO, KOZUKA ICHIRO, NEZUKA YUKIO; Patent Abstracts of Japan; abstract of JP 62186073 A; entitled Sealing Device for Rotary Vacuum Pump; publication date August 14, 1987; Ulvac Corp. | |
| /P.S./ | 8 | United Kingdom Search Report of Application No. GB 0326613.7; Date of search: March 29, 2004 | |
| /P.S./ | 9 | PCT International Search Report of International Application No. PCT/GB2004/004725; Date of mailing of the International Search Report: February 10, 2005 | |
| /P.S./ | 10 | PCT Written Opinion of the International Searching Authority of International Application No. PCT/GB2004/004725; Date of mailing: February 10, 2005 | |
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| Examiner Signature | /Philip Stimpert/ | Date Considered | 03/12/2010 |
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